

Title (en)
ULTRASONIC BONDING OF ELASTIC FIBER

Title (de)
ULTRASCHALLVERBINDUNG VON ELASTISCHER FASER

Title (fr)
ASSEMBLAGE PAR ULTRASONS DE FIBRES ÉLASTIQUES

Publication
EP 3240930 A1 20171108 (EN)

Application
EP 15876152 A 20151229

Priority
• US 201462097402 P 20141229
• US 2015067830 W 20151229

Abstract (en)
[origin: WO2016109514A1] Elastic band products of high durability and quality are disclosed. Also disclosed are methods of producing durable, high quality elastic band products using modified anvil blocks, including shaped anvil blocks, anvil blocks with lateral protuberances and/or anvil blocks with teeth. The disclosed methods result in reduced elastic yarn thread slippage both during production and in the finished elastic band product.

IPC 8 full level
D06N 7/00 (2006.01); **A61F 13/49** (2006.01)

CPC (source: CN EP KR US)
A61F 13/15699 (2013.01 - CN EP KR US); **A61F 13/4902** (2013.01 - CN EP KR US); **B29C 65/086** (2013.01 - US); **B29C 65/087** (2013.01 - CN EP KR US); **B29C 66/1122** (2013.01 - CN EP KR US); **B29C 66/21** (2013.01 - CN EP KR US); **B29C 66/344** (2013.01 - EP US); **B29C 66/433** (2013.01 - CN EP KR US); **B29C 66/729** (2013.01 - CN EP KR US); **B29C 66/81413** (2013.01 - KR); **B29C 66/81433** (2013.01 - CN EP KR US); **B29C 66/83413** (2013.01 - CN EP US); **B32B 37/12** (2013.01 - CN); **A61F 2013/15869** (2013.01 - CN EP KR US); **B29C 65/18** (2013.01 - EP US); **B29C 66/7294** (2013.01 - EP US); **B29C 66/919** (2013.01 - EP US); **B29C 66/949** (2013.01 - EP US); **B29C 66/9513** (2013.01 - EP US); **B29K 2995/0046** (2013.01 - EP); **B29L 2031/4878** (2013.01 - EP KR US); **B32B 2555/02** (2013.01 - CN)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016109514 A1 20160707; BR 112017013879 A2 20180313; CN 107205863 A 20170926; EP 3240930 A1 20171108; EP 3240930 A4 20180822; JP 2018502640 A 20180201; KR 20170099935 A 20170901; US 2018280205 A1 20181004

DOCDB simple family (application)
US 2015067830 W 20151229; BR 112017013879 A 20151229; CN 201580071798 A 20151229; EP 15876152 A 20151229; JP 2017533774 A 20151229; KR 20177019034 A 20151229; US 201515540397 A 20151229